

**Liverpool Open-air
Hospital for Children,
Leasowe.**

REPORT for 1931.



22501385541

Liverpool Open-air Hospital for Children, Leasowe.

(Formerly named "*Liverpool Hospital for Children, Leasowe.*")

Patron :

HIS ROYAL HIGHNESS THE PRINCE OF WALES, K.G.

Presidents :

The Right Hon. THE EARL OF DERBY, K.G., G.C.V.O., ETC.
THE COUNTESS OF DERBY.

Honorary Medical Board :

T. R. W. ARMOUR, F.R.C.S.	R. E. KELLY, C.B., F.R.C.S.
L. CUNNINGHAM, M.A., M.B., Ch.B.	B. L. McFARLAND, M.D.,
ROBT. CRAIG DUN, F.R.C.S.	M.Ch. (Orth.), F.R.C.S. Ed.
A. DINGWALL FORDYCE,	T. P. McMURRAY, M.Ch., F.R.C.S. Ed.
M.D., F.R.C.P.	G. E. C. SIMPSON, F.R.C.S.
P. ELDON GORST, M.B., Ch.B.	R. STOPFORD TAYLOR,
JOHN HAY, F.R.C.P.	D.S.O., M.B., Ch.B.

GENERAL COMMITTEE :

Chairman and Honorary Treasurer :

Col. J. J. SHUTE, C.M.G., D.S.O.

F. STANLEY ATKIN, T.C.	R. CRAIG DUN, F.R.C.S.
A. KENTISH BARNES.	J. P. EDWARDS.
Lady BATES.	R. J. HALL, C.C.
Mrs. H. BEAZLEY.	Mrs. W. W. LEETE.
JOHN BEAVAN.	Mrs. HUGH LEWIS.
PETER S. BOULT, M.C.	EDWARD B. ORME, J.P.
W. B. CHRIMES, J.P., O.B.E.	Mrs. C. WHITELEY, C.C.

Matron : Miss CHARLOTTE HUGHES.

Assistant Matron : Miss M. E. MORRIS.

Head Mistress : Miss D. C. MILLINGTON.

Secretary : ARTHUR McFARLAND, LL.M.

Senior Medical Officer :

T. HARTLEY MARTIN, M.B., Ch.B.

Asst. Medical Officers :

T. P. TWOMEY, M.B., Ch.B.
V. T. PARKINSON, M.B., Ch.B.

Postal Address :

MORETON, WIRRAL, CHESHIRE.

Telephone Nos.

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REUNION DAY—SPORTS.

LIVERPOOL OPEN-AIR HOSPITAL
FOR CHILDREN,
LEASOWE, CHESHIRE.

- 1.—STATEMENT OF MAINTENANCE ACCOUNT FOR
YEAR ENDED 31ST DECEMBER, 1931.
- 2.—STATEMENT OF CAPITAL ACCOUNT TO 31ST DECEMBER,
1931.
- 3.—FIGURES SHOWING AVERAGE COST OF MAINTAINING
ONE CHILD FOR ONE WEEK, WITH YEARLY
COMPARISONS FROM 1921 TO 1931.
- 4.—BALANCE SHEET FOR YEAR ENDED 31ST DECEMBER,
1931.
- 5.—LIST OF DONATIONS, LEGACIES AND SUBSCRIPTIONS
TO 31ST DECEMBER, 1931, AND LIST OF
INVESTMENTS.
- 6.—STATEMENT SHOWING DISTRIBUTION OF GARDEN
EXPENDITURE.
- 7.—STATEMENT OF FARM AND PRODUCE ACCOUNT FOR
YEAR ENDED 31ST DECEMBER, 1931.
- 8.—STATEMENT OF LINEN LEAGUE ACCOUNT FOR 1931.
- 9.—REPORT, WITH STATISTICS, ON RESULTS ACHIEVED
FROM TREATMENT DURING 1931.

RECEIPTS													£	s	d
1931 Dec 31st.															
Tuberculosis Account—															
LIVERPOOL CORPORATION	12,688	0	6
BOOTLE CORPORATION	846	11	5
BIRKENHEAD CORPORATION	1,280	6	5
WALLASEY CORPORATION P.H.C.	1,184	9	7
LANCASHIRE COUNTY COUNCIL	3,427	17	0
CHESHIRE COUNTY COUNCIL	3,546	16	4
WEST RIDING OF YORKSHIRE P.H.C.	600	2	8
WIGAN CORPORATION	433	12	5
ST. HELENS CORPORATION	810	1	10
WARRINGTON CORPORATION	641	18	6
BLACKPOOL CORPORATION	148	7	2
GLOUCESTER COUNTY COUNCIL	14	12	10
OLDHAM CORPORATION	32	18	11
KING EDWARD VII WELSH NATIONAL MEMORIAL ASSOCIATION	41	12	11
Orthopædic Account—															
BIRKENHEAD CORPORATION—EDUCATION COMMITTEE	678	6	4
BIRKENHEAD CORPORATION—MATERNITY AND CHILD WELFARE	422	9	9
WALLASEY CORPORATION—EDUCATION COMMITTEE	349	17	3
WALLASEY CORPORATION—MATERNITY AND CHILD WELFARE	207	18	10
BEBINGTON AND BROMBOROUGH URBAN DISTRICT COUNCIL	21	9	11
ELLESMERE PORT URBAN DISTRICT COUNCIL	177	19	1
CHESHIRE COUNTY COUNCIL—EDUCATION COMMITTEE	291	17	3
CHESHIRE COUNTY COUNCIL—MATERNITY AND CHILD WELFARE	106	6	7
DURHAM COUNTY COUNCIL	14	12	10
BOOT AND SPLINT ACCOUNT	273	16	11
CASH RECEIPTS	104	17	4
BANK INTEREST	6	3	1

											<u>£28,353</u>	3	8
1931	Dec	31st.	BALANCE CARRIED DOWN	...	...	...	...	...	...	..	147	2	1
											<u>£28,500</u>	5	9
1930.	Dec.	31st.	BALANCE FROM LAST ACCOUNT	...	...	...	...	...	...	..	£184	2	2
1931.	Dec.	31st.	BALANCE BROUGHT DOWN	...	...	...	...	...	...	..	£37	0	1

HOSPITAL FOR CHILDREN, LEASOWE.

BEAVAN HOSPITAL.

for the year ended 31st December, 1931.

PAYMENTS.										£ s. d.			£ s. d.		
1931. Dec. 31st.															
A.—MAINTENANCE—															
1. PROVISIONS—															
	Fresh Meat	...	...	...	...	...	...	...	...	1,257	18	8			
	Preserved Meat and Fish	...	...	...	...	...	...	...	...	124	1	2			
	Fresh Fish and Poultry	...	...	...	...	...	...	...	...	297	13	8			
	Bacon and Ham	...	...	...	...	...	...	...	...	276	6	1			
	Butter and Margarine	...	...	...	...	...	...	...	...	399	9	11			
	Eggs	...	...	...	...	...	...	...	...	228	2	10			
	Tea, Coffee and Cocoa	...	...	...	...	...	...	...	...	174	7	3			
	Sugar	...	...	...	...	...	...	...	...	115	11	8			
	Groceries	...	...	...	...	...	...	...	...	451	17	8			
	Jam	...	...	...	...	...	...	...	...	185	4	4			
	Vegetables and Fruit	...	...	...	...	...	...	...	...	448	10	5			
	Milk	...	...	...	...	...	...	...	...	1,346	16	3			
	Bread and Flour	...	...	...	...	...	...	...	...	468	9	2			
													5,774	9	1
2. SURGERY AND DISPENSARY—															
	Splints and Orthopædic Dept.	...	...	...	...	...	...	...	...	718	8	3			
	Artificial Light Dept.	...	...	...	...	...	...	...	...	101	18	10			
	Drugs	...	...	...	...	...	...	...	...	273	11	7			
	Dressings	...	...	...	...	...	...	...	...	447	3	8			
	Instruments and Appliances	...	...	...	...	...	...	...	...	185	18	6			
	Stimulants	...	...	...	...	...	...	...	...	137	6	7			
													1,864	7	5
3. DOMESTIC—															
	Fuel	...	...	...	...	...	...	...	...	810	7	6			
	Gas, Lighting and Water	...	...	...	...	...	...	...	...	664	4	5			
	Cleaning and Household	...	...	...	...	...	...	...	...	376	10	5			
	Refrigerator Renewal	...	...	...	...	...	...	...	...	225	1	1			
	Earthenware and Enamel	...	...	...	...	...	...	...	...	156	17	6			
	Laundry	...	...	...	...	...	...	...	...	1,622	4	0			
	Nurses' and Maids' Uniforms	...	...	...	...	...	...	...	...	128	14	0			
	Children's Clothing	...	...	...	...	...	...	...	...	108	1	6			
	Linen, Renewals and Repairs	...	...	...	...	...	...	...	...	789	6	10			
													4,881	7	3
4. ESTABLISHMENT—															
	Insurances	...	...	...	...	...	...	...	...	96	5	4			
	Repairs, Renewals and Additions...	...	...	...	...	...	...	...	...	3,161	13	3			
	Garden	...	...	...	...	...	...	...	...	668	6	6			
	Ambulance and Chauffeur	...	...	...	...	...	...	...	...	139	8	9			
													4,065	13	10
5. SALARIES AND WAGES—															
	Medical Officers	...	...	...	...	...	...	...	...	1,664	16	7			
	Dentist	...	...	...	...	...	...	...	...	121	5	6			
	Matron and Staff...	...	...	...	...	...	...	...	...	2,949	11	10			
	Maids	...	...	...	...	...	...	...	...	1,483	9	7			
	Engineers and Boilermen	...	...	...	...	...	...	...	...	989	1	11			
													7,208	5	5
6. EDUCATION—													1,839	6	3
	Salaries of Teachers and School Expenses	...	...	...	...	...	...	...	...
7. MISCELLANEOUS—															
	Fares and Travelling	...	...	...	...	...	...	...	...	52	5	9			
	Expenses	...	...	...	...	...	...	...	...	306	9	1			
													358	14	10
B.—ADMINISTRATION—															
1. MANAGEMENT—															
	Advertisements	...	...	...	...	...	...	...	...	16	16	0			
	Office Expenses	...	...	...	...	...	...	...	...	900	15	4			
	Printing and Stationery	...	...	...	...	...	...	...	...	94	5	8			
	Telephones	...	...	...	...	...	...	...	...	122	8	7			
													1,134	5	7
2. AFTER-CARE GRANT, C.W.A.													100	0	0
3. SUPERANNUATION													421	11	6
4. FINANCE—BANK INTEREST													607	15	6
C.—RATES, TAXES AND RENTS													244	9	1
													£28,500	5	9
1931. Dec. 31st.															
	BALANCE BROUGHT DOWN	...	...	...	...	...	...	...	...				£147	2	1
	BALANCE CARRIED DOWN	...	...	...	...	...	...	...	...				37	0	1
													£184	2	2

ANALYSIS SHOWING AVERAGE COST OF MAINTAINING ONE CHILD FOR ONE WEEK.

WITH YEARLY COMPARISONS FROM 1921 TO 1931

	TOTAL EXPENDITURE 1931	YEARLY COMPARISON OF COSTS FROM 1921 TO 1931.										
		1931	1930	1929	1928	1927	1926	1925	1924	1923	1922	1921
PROVISIONS ...	£ s. d. 5,774 9 1	s. d. 8 8½	s. d. 8 7½	s. d. 8 9¼	s. d. 9 2¼	s. d. 8 11½	s. d. 8 5	s. d. 8 7	s. d. 9 2	s. d. 9 3¼	s. d. 9 9	s. d. 11 2½
*SURGERY AND DISPENSARY	1,590 10 6	2 5	2 8¾	2 8	2 4	2 5	2 7½	3 4¼	2 1	2 1½	1 11	2 2¼
DOMESTIC ...	4,881 7 3	7 4¼	6 8	6 9	6 10¾	7 6¾	7 5¼	7 1	7 3¾	6 9½	7 6¾	10 4¾
†ESTABLISHMENT	4,065 13 10	6 1½	7 0¼	7 8	6 4¼	6 5¾	7 4¼	7 4	7 9½	9 0¾	6 3½	4 10
SALARIES AND WAGES	7,208 5 5	10 10¼	10 5¾	10 1	9 6¼	8 8¼	8 10¾	8 11	8 7¼	8 3¾	7 9	7 4¼
EDUCATION...	1,839 6 3	2 9¼	2 7½	2 7	2 9¾	2 6½	2 5	2 4½	2 6¾	2 6¾	3 3¾	3 0¾
MISCELLANEOUS	458 14 10	0 8½	0 9	0 9	0 6½	0 7¼	0 6¾	0 7¼	0 5½	0 4½	0 7½	0 7
ADMINISTRATION	1,134 5 7	1 8½	1 7	1 7¼	1 7	1 5	1 4¼	1 4	1 2	1 2½	1 2½	1 2½
SUPERANNUATION	421 11 6	0 7½	0 8	0 4½	—	—	—	—	—	—	—	—
‡BANK INTEREST	607 15 6	0 11	0 9½	0 8¼	0 11	1 0½	1 1¾	0 9¾	0 7½	0 7	0 3	0 7¾
RATES AND TAXES	244 9 1	0 4¼	0 3¾	0 4¼	0 3½	0 3½	0 3¼	0 3¾	0 4¾	0 5¼	0 3¼	0 2¼
AVERAGE NO. OF CHILDREN	28,226 8 10	42 6½	42 3	42 3½	40 5¼	40 0	40 5¾	40 8½	40 2	40 8¾	38 11¼	41 8
		255.2	263.2	261.2	258.3	262.85	254.41	£255.18	250.4	237	236	236

*Less revenue from sale of splints, surgical boots, etc., viz., £273 16s 11d.
†Includes allocation of £1,250 towards renewal and extension of staff accommodation.
‡Includes Interest on Capital Account.

LIVERPOOL OPEN-AIR HOSPITAL FOR CHILDREN, LEASOWE.

THE MARGARET BEAVAN HOSPITAL.

BALANCE SHEET AT 31ST DECEMBER, 1931.

LIABILITIES.			ASSETS.		
LOAN—					
Liverpool Child Welfare Association	...	£ 2,000 0 0	CASH IN HAND	...	£ 33 12 2
DUE TO BANK—					
Capital Account	...	£5,819 16 5	CASH AT BANK—	...	...
Maintenance Account	...	426 15 9	Monthly Cash Account	...	430 3 8
HOSPITAL ENDOWMENTS—					
Invested as per last Balance Sheet	...	2,214 6 8	INVESTMENTS AT NOMINAL VALUE—		
Added during year	...	300 0 0	2,000 £1 Shares Sir Alfred Jones' Trust Estate	...	£2,000 0 0
		2,514 6 8	£214 6s 8d 5% War Loan...	...	214 6 8
Expended on Buildings £6,000 (to be replaced at the rate of £250 per annum.)			£794 2s 9d 3½% Conversion Loan	...	550 0 0
Replacement to 31st December, 1931	...	250 0 0			2,764 6 8
MAINTENANCE ACCOUNT—					
Surplus for the year ended 31st December, 1930	...	184 2 2	NEW BUILDING ACCOUNT—		
Less Excess of Expenditure over Income for the year ended 31st December, 1931	...	147 2 1	Excess of Expenditure over Income on New Building Fund Account, 31st December, 1930	...	8,715 13 7
		37 0 1	Less Surplus for the year ended 31st December, 1931	...	895 17 2
		£11,047 18 11			7,819 16 5

Examined with vouchers and found correct.
 LEWIS & MOUNSEY,
 Chartered Accountants,
 Liverpool, 26th April, 1932.

Note.—The value of the Site and Buildings is not included in the above Balance Sheet.
 JOHN J. SHUTE,
 Hon. Treasurer.



THE CHARIOT RACE
(A REUNION DAY INCIDENT).

LIST OF DONATIONS, SUBSCRIPTIONS AND LEGACIES,

31st DECEMBER, 1931.

CAPITAL ACCOUNT.

DONATIONS—

	£	s.	d.	£	s.	d.
The Wallasey "Tonics" Concert Party	665	0	0			
Collections in Wards	31	14	0			
Alexandra Day Committee	20	0	0			
Leasowe Golf Club (towards naming a bed)	18	4	6			
Collections per box at gate	16	16	10			
J. R. Barnes, Liverpool	5	5	0			
Miss Margaret Bond, Liverpool (proceeds of Children's Dance)	5	5	0			
Mr. and Mrs. Wintersgill, Wigan... ..	5	5	0			
Mr. Torode, Liverpool	5	0	0			
W. Crawford & Sons, Liverpool, Athletic Society ...	5	0	0			
I Zingari Challenge Cup Competition... ..	5	0	0			
F. G. Boles, Moreton	3	3	0			
Magazine Bowling Club, New Brighton	3	3	0			
Garston Women's Conservative Association	2	10	0			
Birkenhead Co-operative Society	2	2	0			
Liscard Congregational Sunday School, per E. Cook	1	8	9			
George A. Hill	1	1	0			
Women's Guild, Congregational Church, Wavertree	1	1	0			
Upton Badminton Club	1	1	0			
T. T. Threlfall, Wallasey	1	1	0			
New Brighton Presbyterian Sunday School	1	1	0			
F. Hill	1	0	0			
Miss M. Gardner	0	15	0			
Royal Liver Friendly Society	0	15	0			
A. Welton, Wallasey	0	11	10			
Miss D. R. Jones, Parkgate... ..	0	10	6			
W. J. McCarthy, New Brighton	0	10	6			
Mrs. O'Brien, Liverpool	0	10	0			
Mrs. L. Harrison, St. Annes-on-Sea	0	5	0			
				804	19	11

Per LIVERPOOL COUNCIL OF VOLUNTARY AID—

Mrs. Scott, Wrexham	5	0	0
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SUBSCRIPTIONS—

	£	s.	d.	£	s.	d.
Mrs. S. E. Ball, Heswall	2	2	0			
F. R. Verdon, Liverpool	1	1	0			
	<hr/>			3	3	0

Per LIVERPOOL COUNCIL OF VOLUNTARY AID—

A. L. Naylor, Oxton... ..	5	5	0			
W. R. Glazebrook, Willaston	5	5	0			
Reynolds & Gibson, Liverpool	5	0	0			
A. J. Ritch, Liverpool	3	3	0			
P. R. England, Liverpool... ..	3	0	0			
A. Harold Bibby, Liverpool	2	2	0			
Mrs. Mary T. Perrin, Hoylake... ..	2	2	0			
J. Reginald Gibbons, Liverpool	2	2	0			
Mrs. J. S. Higham, Birkdale	2	0	0			
The late Sir Alexander Bicket, K.B.E....	2	0	0			
Mr. and Mrs. J. Larden Williams, Neston	1	1	0			
Miss E. C. Herdman, Liverpool	1	1	0			
	<hr/>			34	1	0

Per LIVERPOOL CENTRAL RELIEF SOCIETY—

Thomas Pegram, Hoylake	1	1	0			
Miss A. B. Wallace, Liverpool... ..	1	1	0			
Mrs. M. Bingham, Penn, Bucks.	1	1	0			
Henry A. Cole, Bidston	1	1	0			
Antony R. Marshall, Liverpool	1	1	0			
W. B. Leitch, Liverpool	1	1	0			
	<hr/>			6	6	0

LEGACIES—

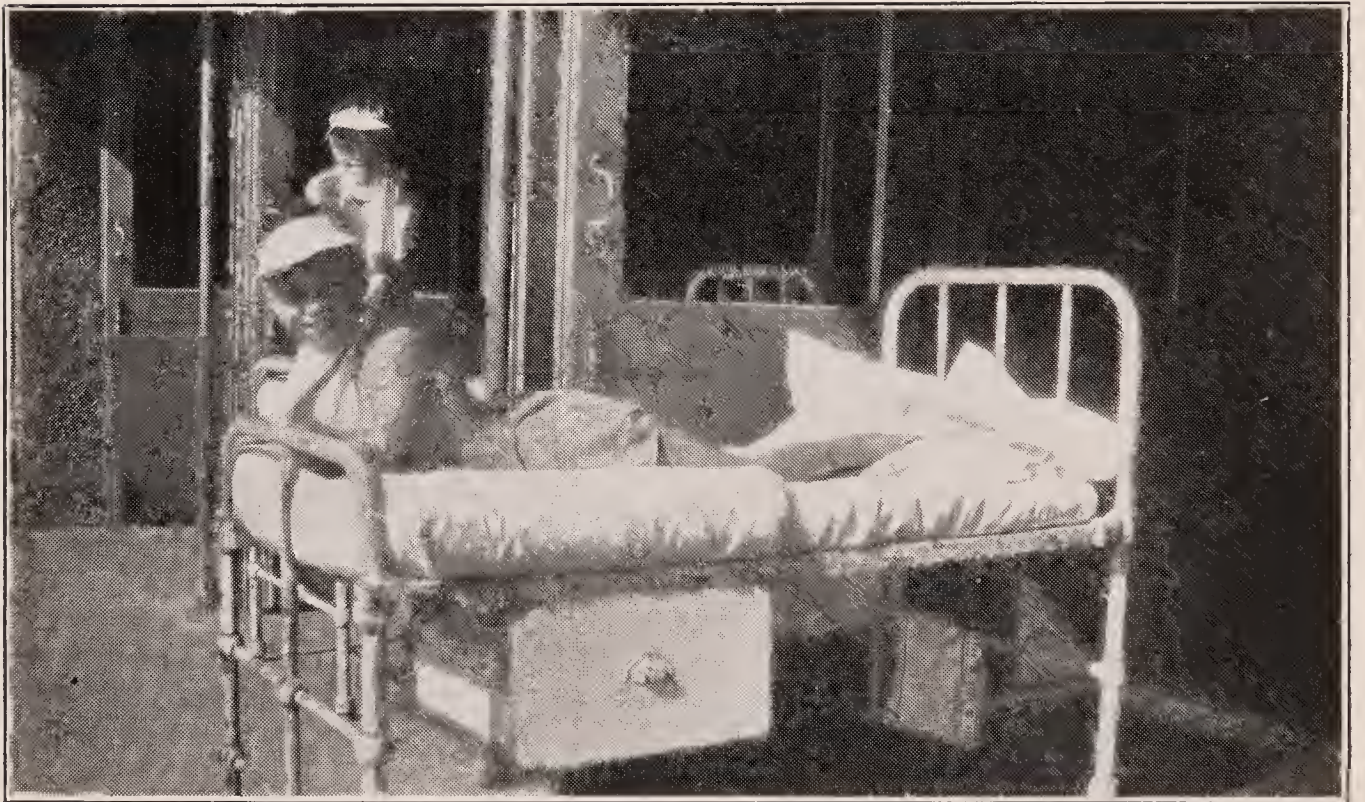
Executors of Mrs. Eleanor Hood Rowan	2,000	0	0			
„ Mrs. Alice Maud Ridgway	300	0	0			
„ Captain Wm. Smith	50	0	0			
„ S. C. Helm	2	10	6			
	<hr/>			2,352	10	6
				<hr/>		
				£3,206	0	5
				<hr/>		

LIST OF INVESTMENTS.

2,000 £1 Shares 3½% in Sir Alfred Jones' Trust Estate.
£214/6/8 War Stock 1929-1947 (Ellen Gibson Legacy).
£794/2/9 3½% Conversion Loan (Alice Maud Ridgway Legacy).



SUNSHINE LIFE—CONVALESCENCE.



SUNSHINE LIFE IN BED.

STATEMENT SHOWING DISTRIBUTION OF EXPENDITURE DEBITED TO

THE “GARDEN” SECTION OF MAINTENANCE ACCOUNT.

ALSO SHOWING ESTIMATED CREDITS AGAINST SUCH EXPENDITURE.

Cr.				Dr.			
		£	s. d.			£	s. d.
To Vegetables and Fruit supplied to Kitchen	...	159	0 1	By Wages on Production (Kitchen Garden)	...	184	4 9
“ Wages on Upkeep of Grounds...	...	261	13 2	“ Wages on Upkeep of Grounds...	...	261	13 2
“ Wages on Separator, Sewage system	...	34	15 8	“ Wages on Farm (Live Stock, etc.)	...	58	6 1
“ Wages on Cleansing of Ditches	...	13	11 11	“ Wages on Separator Sewage system	...	34	15 8
“ Wages on General ... ..	...	5	13 4	“ Wages on Cartage (Fuel, etc.)...	...	56	8 5
“ Cartage: 176 tons Coke at 6/-	...	52	16 0	“ Wages on Cleansing of Ditches	...	13	11 11
“ 66 tons Coal at 3/9	...	12	7 6	“ Wages on General ... ..	...	5	13 4
“ 20 days at 15/- per diem	...	15	0 0	“ Seeds, Plants and Manures	...	31	15 9
“ Seeds, Plants and Manures	...	31	15 9	“ Osier Windbreaks	...	8	11 1
“ Osier Windbreaks	...	8	11 1	“ Repairs and Renewals (Implements)	...	10	4 4
“ Debit Balance	...	73	2 1	“ Fares and Travelling...	...	0	9 10
				“ Petrol ... ..	...	0	7 3
				“ Miscellaneous	...	2	5 0
		£668	6 7			£668	6 7

STATEMENT OF FARM AND PRODUCE ACCOUNT
YEAR ENDED 31ST DECEMBER, 1931.

[illegible]

STATEMENT OF LINEN LEAGUE ACCOUNT,

From 31st December, 1930, to 23rd December, 1931.

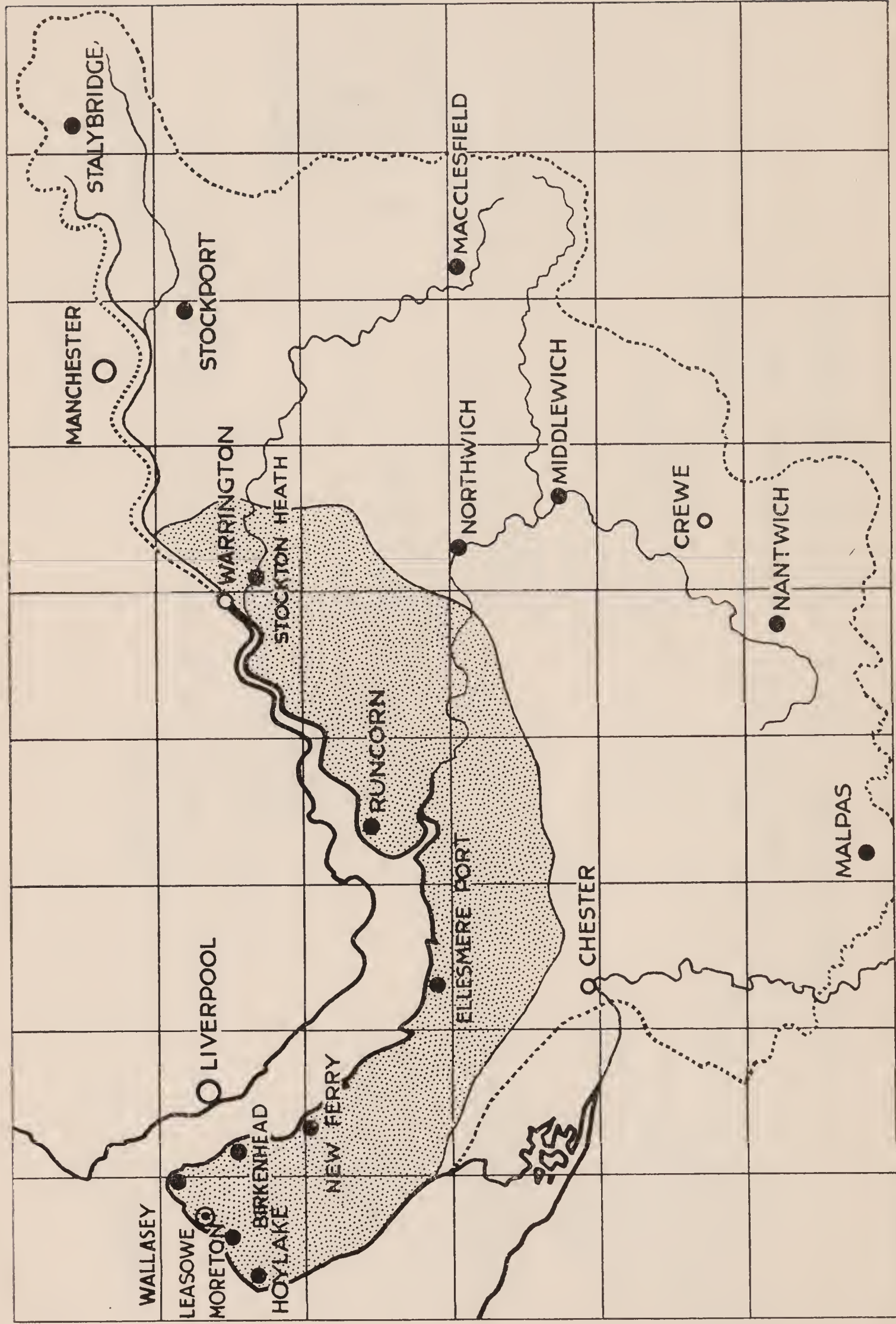
RECEIPTS.			PAYMENTS.		
Jan. 1st, 1931—	£	s. d.	Dec. 23rd, 1931—	£	s. d.
To Balance brought forward...	...	38 15 5	By Materials for Members ...	9 9 1	
Dec. 23rd, 1931—			50 pairs Woollen Blankets ...	58 15 0	
Subscriptions and Materials ...	...	80 12 5	25 pairs Cotton Blankets ...	10 6 3	
Subscriptions, Juvenile Branches—			12 Bedspreads ...	10 7 0	
Eastham ...	2 19 0		4 Pieces Turkey Twill ...	40 14 3	
Hoylake ...	1 9 10			129 11 7	
Proceeds from Jumble Sale ...	4 8 10		Printing—		
Proceeds from Bridge Drive ...	38 1 1		Reports ...	6 2 6	
Add Donation for Prize ...	25 10 0		Juvenile Branches... ..	1 0 11	
	0 10 0		Receipt Books ...	1 8 9	
				8 12 2	
Less Cost of Printing ...	26 0 0		Sundries—		
	0 15 0		Bridge Drive Prize ...	0 10 0	
Bromborough Sewing Party ...	25 5 0		Cheque Book ...	0 2 0	
Bank Interest ...	22 2 1				
	0 10 2		Balance carried forward ...	...	0 12 0
				...	70 19 3
Dec. 23rd, 1931—					
To Balance brought down ...	£209 15 0				£209 15 0
	£70 19 3				

I have audited the above Account, and find same to be correct.

S. B. McQUEEN,
Chartered Accountant.

M. ELSIE LEETE,
Hon. Treasurer.

LIVERPOOL,
20th January, 1932.



MAP OF CHESHIRE

Report of Senior Medical Officer

(T. HARTLEY MARTIN, M.B., Ch.B.)

TO THE

CHAIRMAN OF THE MEDICAL BOARD.

R. CRAIG DUN, Esq., F.R.C.S.

SIR,

I have the honour to report on the work of the Hospital during the twelve months ending December 31st, 1931.

TUBERCULOUS CASES.

As illustrated by the state of health of the patients on discharge it is seen that 83.5% of all cases treated were discharged "Disease quiescent"; this figures compares favourably with those of the past eleven years, which have varied from 78.5% to 86.8%.

155 cases in all were discharged during the period under survey, but of this number 10 were considered not to be tuberculous after a period of observation. Of the remaining 145 cases—

121 were discharged "disease quiescent."

2 ,, as "improved" (cases of Lupus).

5 ,, as "unimproved."

1 case of T.B. Spine. Stay in Hospital 518 days.

1 ,, T.B. Hip. ,, 885 ,,

1 ,, T.B. Osteitis. ,, 1,468 ,,

2 cases of T.B. Adenitis. ,, 212 & 700 days respectively.

11 died—

7 cases of T.B. Spine.

2 ,, T.B. Hip.

1 case of T.B. Osteitis.

1 ,, T.B. Peritonitis, and the causes of death were :—

Generalised Tuberculosis 3 cases.

Tuberculous Meningitis 3 ,,

Amyloid Disease 3 ,,

Ascending Pyelitis 1 case.

Post-Diphtheritic Paralysis 1 ,,

1 case was transferred to another hospital.

5 cases were removed by the parents before completion of treatment.

These figures are given in Tables I to VII, in an enclosed leaflet ; Tables II to VII give a more minute analysis of the cases, showing the stage of disease on admission to hospital.

In the Table (inserted below) the figures given in Table I are compared with those of similar disease groups discharged during the years 1920-1930 inclusive.

Disease Category.		1931			1920-1930		
		Numbers discharged	Percentage discharged disease quiescent	Average duration of stay in days	Numbers discharged	Percentage discharged disease quiescent	Average duration of stay in days
Tuberculous	Spine	25	64%	843	400	68.5%	629
„	Hip	31	87%	904	335	83.4%	649
„	Knee	19	94.7%	604	201	91.5%	519
„	Osteitis	21	80.4%	444	511	86.1%	445
„	Adenitis	28	86.4%	283	418	92.6%	236
„	Peritonitis	18	94.4%	320	444	85.1%	230
Lupus	„	3	33.3%	360	51	18.7%	289

INFECTIOUS FEVERS.

Infectious Fevers have not been a great cause for anxiety during the year. 5 cases of Diphtheria and 3 of Scarlet Fever occurred. There were no direct contact cases. It is felt that the visits of parents (once monthly) is the commonest source of infection.

ARTIFICIAL LIGHT.

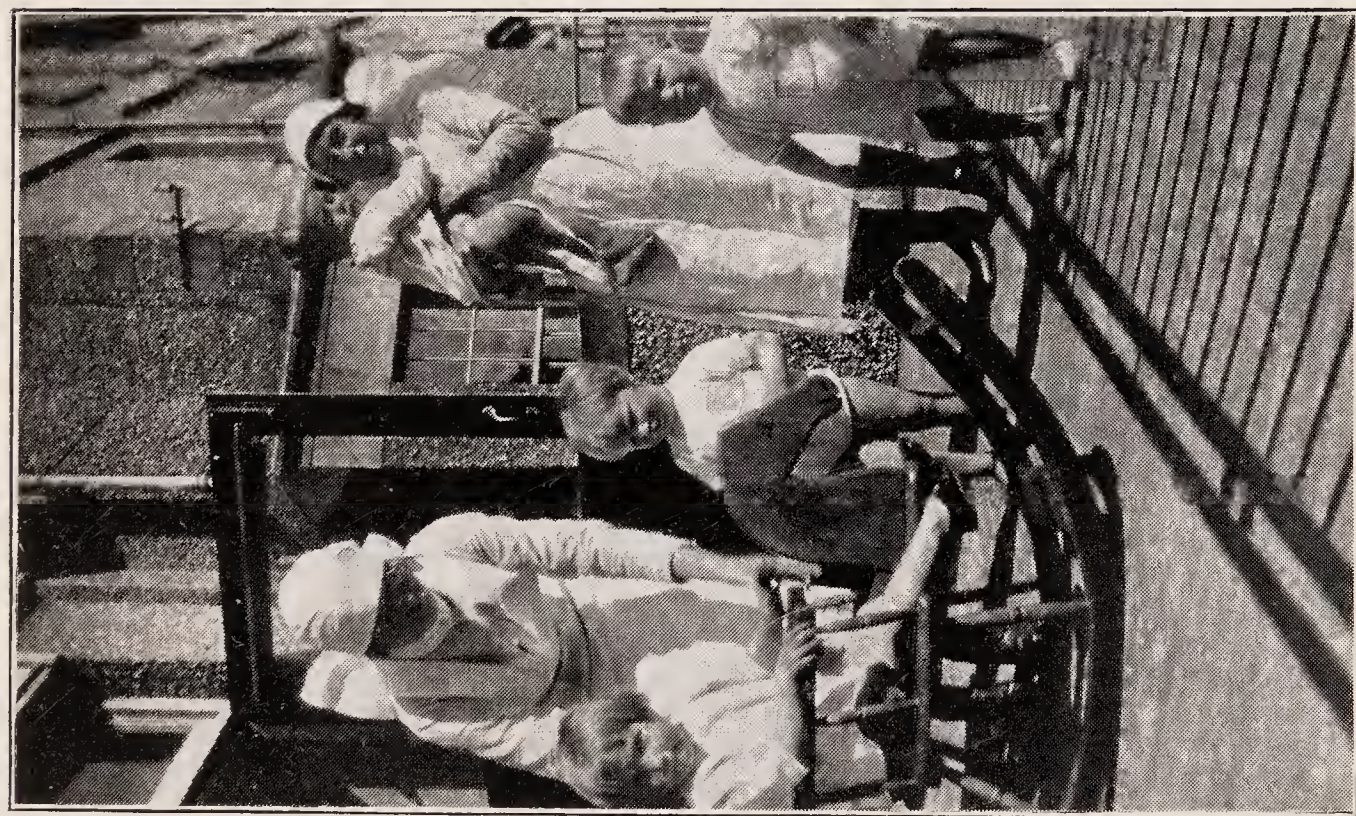
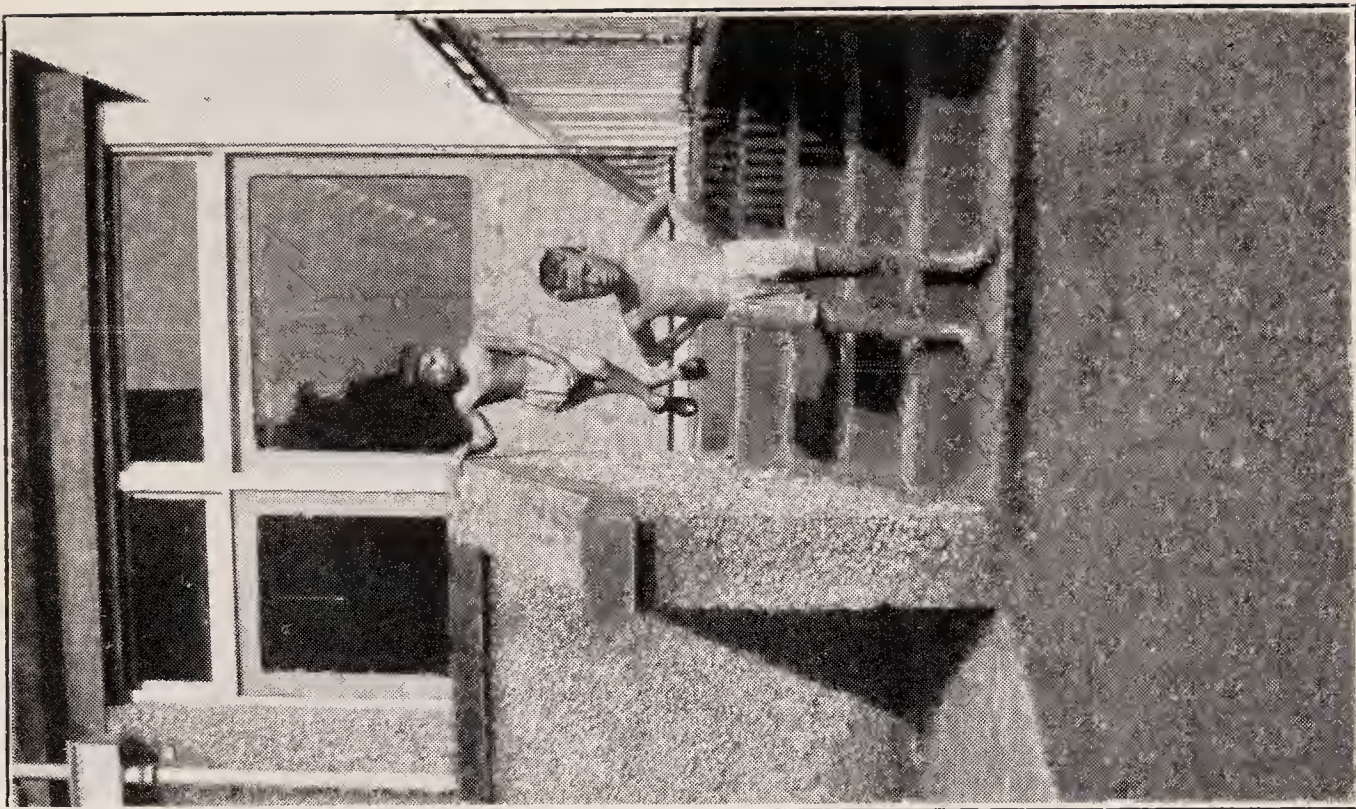
In an attempt to combat retardation or restriction of growth, loss of weight and lowered resistance, and also disturbance in the calcification of the bones or teeth (whether any or all of these changes be due to enforced immobilisation or to disease) Vitamines A, B and D in the form of Cod Liver Oil, Malt extract, Milk, Green Vegetables and Yeast are given to all cases in hospital.

In addition, however, Artificial Light (either General Irradiation or Local Irradiation) has been given to 132 cases :—

Tuberculous	Spines	...	...	...	...	13
„	Hips	...	...	...	...	13
„	Knees	...	...	...	...	9
„	Osteitis	...	...	...	...	15
„	Adenitis	...	...	...	...	38
„	Peritonitis	...	...	...	...	32
Lupus	...	...	...	...	...	4
General	Rickets	...	...	...	...	8

and the results achieved may be summarised briefly as follows :—

GENERAL IRRADIATION, in all cases, produces a general feeling of well-being, improves the appetite and is an aid to uninterrupted sleep. It has, however, no effect on the local spread of disease and



OPEN-AIR LIFE AT LEASOWE.

no effect on the sinuses originating from bone. In assisting recalcification its effect is exerted through a general body stimulus.

LOCAL IRRADIATION, although having no appreciable effect on sinuses originating in bone, does increase the rate of healing in sinuses of glandular origin. An intensive Local Irradiation appears to hasten the absorption of all glandular swellings (peripheral or abdominal).

RESEARCH.

Research is being undertaken by Dr. T. P. Twomey, the Ridgeway Scholar, on the calcium and phosphorus content of the blood, and it is hoped to include with this some research on the effect of cereals in the diet on caries of the teeth.

AFTER-CARE.

During the past twelve months the after-care in connection with the cases discharged (Liverpool only), by means of which a check on the durability of the results claimed could be kept, has been carried out entirely by the staff of the Liverpool Tuberculosis Dispensaries, and therefore the usual percentage of relapsing cases cannot be given. It is known that of the cases discharged "disease quiescent" in recent years, relapse has been shown, during the year under review, in the following cases :—

Discharged 1927	1 case	Tuberculous	Adenitis.
„ 1928	1 „	„	Knee.
„ 1929	1 „	Lupus.	
	1 „	Tuberculous	Adenitis.
	2 cases	„	Spine.
„ 1930	1 case	„	Adenitis.
	1 „	Lupus.	

NON-TUBERCULOUS CASES.

The Hospital still plays its part as the Central Orthopædic Hospital for the Orthopædic Clinics (inaugurated by the various Local Authorities in its immediate neighbourhood) in that it is responsible for providing the Surgeon and Orthopædic Nurse, for the admission and treatment of all cases requiring hospital care, the provision of splints, appliances and surgical boots, and also for the clerical work and record keeping inseparable from the working of such clinics.

These clinics are held at Birkenhead (twice monthly), Wallasey, Ellesmere Port, New Ferry, Runcorn and Stockton Heath (monthly), and also Hoylake and Moreton (bi-monthly). To these clinics 91 visits have been paid by the Surgeon and 368 by the Orthopædic Nurse during the past year, during which time 310 new cases were examined and 2,064 re-examinations were made (an average of

26 cases per session, varying from 7-39 cases according to the needs of the clinic).

In tabular form below is shown the total number of cases on the registers of these clinics, classified according to disease groups and age groups, and also showing the numbers of cases discharged and the reasons for their discharge :—

DISEASE CATEGORIES	Remaining, 1930.	NEW CASES 1931 IN RELATION TO SCHOOL AGE			REMAINING DECEMBER, 1931 IN RELATION TO SCHOOL AGE			DISCHARGED, 1931						
		Under	Of	Over	Under	Of	Over	Cured	Relieved	Over Age—Relieved	Left District	Refused Treatment	Unsuitable	Died
INFANTILE PARALYSIS ...	95	—	8	1	6	78	9	—	3	2	2	4	—	—
SPASTIC PARALYSIS ...	71	5	7	1	13	58	4	—	3	—	2	2	—	2
RICKETS	159	36	13	—	93	71	—	35	—	—	7	1	—	1
T.B. OSTEITIS AND ARTHRITIS ...	110	1	15	3	9	89	20	11	—	1	—	—	—	—
NON-T.B. OSTEITIS AND ARTHRITIS ...	15	1	9	—	3	15	2	3	1	—	1	—	—	—
DEFORMITIES—CONGENITAL ...	98	14	4	—	44	59	1	7	—	—	3	1	—	1
DEFORMITIES—ACQUIRED ...	312	56	103	2	99	185	7	168	2	1	13	7	1	—
DIAGNOSIS	20	74	57	—	23	2	—	—	—	—	—	—	124	2
TOTALS ...	891	187	216	7	290	557	43	224	9	4	28	15	125	6

Of the 1,711 cases on the registers of these clinics during the year 1931, 78 or 4.5% were admitted to the Hospital for treatment. These cases were :—

Infantile Paralysis	... 4 cases.	Stay varying from	14–159 days.
Spastic Paralysis	... 2 „	„	114–357 „
Rickets	... 43 „	„	14–324 „
Non-Tuberculous Osteitis	3 „	„	14–161 „
Congenital Deformities	... 16 „	„	2–365 „
Acquired Deformities	... 10 „	„	14–347 „

A further analysis of these cases shows the reasons for admission to Hospital :—

Infantile Paralysis	...	2 cases.	Fixation of Flail Knee and Ankle.
		1 case.	„ Pes Calcarneo-Cavus.
Spastic Paralysis	...	1 „	„ Slipped Patella.
		1 „	for Elongation of Tendo Achilles.
Rickets	... ..	28 cases of	Genu Varum (Osteoclasia).
		9 „	„ Valgum (Osteotomy).
		6 „	Coxa Vara and Generalised Rickets.
Non-T.B. Osteitis	...	3 „	Chronic Osteomyelitis
			(sequestrotomy).
		1 case of	Legge-Perthe's disease.
Congenital Deformities		8 cases of	Talipes Equino-Varus.
		4 „	Congenital Dislocation of the Hip.
		3 „	Torticollis.
		1 case of	Hæmarthrosis (Hæmophilia).
Acquired Deformities		4 cases of	Pes Planus (Spastic).
		2 „	Hallux Valgus.
		1 case of	Fracture of the Femoral Neck.
		1 „	„ Fingers (Malunion).
		1 „	Exostosis of the Femur.
		1 „	Popliteal Bursa.

The total number of days spent in Hospital by these cases were 8,312 or 22.77 beds occupied throughout the year.

In addition, 55 cases were referred for X-ray examination and 52 cases attended once or on more occasions for the application of Plaster of Paris splinting.

Since most of the cases referred to these clinics are discovered in the early stages by the Midwives, Child Welfare Nurses and Visitors, Health Visitors, and Voluntary Workers, and the School Medical Services, correction of deformity by manipulation, fixation or operation can, in most cases, be readily obtained and is followed by Massage and Muscle Re-education [each clinic having a fully-qualified Masseuse (part or whole time) on its staff]. During the year 1931 11,375 treatments have been given to 326 cases. 133 new cases were referred for treatment and 99 discharged after responding to such treatment. Classified in tabular form below are shown those cases referred for Massage and Re-education, under age-group and disease-group headings; as also is (by means of an attendance percentage) the relative amount of work devoted to children of school and pre-school age.

DISEASE CATEGORIES	ATTENDANCES										CASES	
	OF SCHOOL AGE						UNDER SCHOOL AGE		OVER SCHOOL AGE		Number of Cases	% of Total Cases
	Boys			GIRLS			Boys	Girls	Boys	Girls		
	Attending School	Not attending School	Attending Special School	Attending School	Not attending School	Attending Special School						
INFANTILE PARALYSIS ...	1520	—	—	1740	—	463	422	79	—	97	72	21%
SPASTIC PARALYSIS ...	483	—	5	499	—	95	—	3	—	—	20	6%
RICKETS	34	—	—	282	—	—	—	—	—	—	8	2.5%
T.B. OSTEITIS AND ARTHRITIS	—	—	—	—	—	—	—	—	—	—	—	—
NON.T.B. OSTEITIS AND ARTHRITIS	—	—	—	—	—	—	—	—	—	—	—	—
CONGENITAL DEFORMITIES	610	—	—	674	39	—	415	216	—	—	41	12.5%
ACQUIRED DEFORMITIES	1499	—	104	1628	—	—	465	21	17	—	185	58%
TOTALS ...	4166	—	109	4787	39	558	1302	319	17	97	326	
TOTALS ...	9640						1621		114			
PERCENTAGES ...	84.75%						14.25%		1%			

Stress is laid in this year's report upon the work done by the Hospital for Non-Tuberculous Crippling diseases, because, in view of the fall in the incidence of Non-Pulmonary Tuberculosis, it shows to what advantage the personnel and equipment of such a hospital may be used.

I remain, Sir,

Yours obediently,

T. HARTLEY MARTIN,
Senior Medical Officer.

FORM OF BEQUEST.

I bequeath to the Treasurer for the time being of THE LIVERPOOL
OPEN-AIR HOSPITAL FOR CHILDREN, LEASOWE, the sum of

£

(free from Legacy Duty), to be applied by the Committee for the time
being of the said Hospital to any object or objects connected with the
Hospital ; and for this Legacy the receipt of such Treasurer shall be a
sufficient discharge.

Cases Discharged January 1st to December 31st, 1931.

LESION	Totals Discharged	Non-Tuberculous	Tuberculous	CONDITION ON DISCHARGE						Duration of Stay in Days	Percentage Discharged, Disease Quiescent
				Disease Quiescent	Improved	Removed by Parents	Transferred	Unimproved	Died		
T.B. Disease of the Spine ...	27	2	25	16	—	1	—	1	7	843	64%
T.B. Disease of the Hip ...	36	5	31	27	—	1	—	1	2	904	87%
T.B. Disease of the Knee ...	19	—	19	18	—	1	—	—	—	604	94.7%
Tuberculous Osteitis	22	1	21	17	—	1	1	1	1	444	80.9%
Tuberculous Adenitis ...	28	—	28	25	—	1	—	2	—	283	86.4%
Tuberculous Peritonitis ...	20	2	18	17	—	—	—	—	1	320	94.4%
Lupus ...	3	—	3	1	2	—	—	—	—	360	33.3%
TOTALS ...	155	10	145	121	2	5	1	5	11	584	83.5%
Percentages ...	—	—	145	121	=83.5% of all cases treated						
Percentages of cases treated to completion	—	—	139	121	= 87% of cases treated to completion						

TABLE II.

LESION	Totals Discharged	Non-Tuberculous	Tuberculous	CONDITION ON DISCHARGE						Duration of Stay in Days	Percentage Discharged, Disease Quiescent
				Disease Quiescent	Improved	Removed by Parents	Transferred	Unimproved	Died		
T.B. Disease of the Spine	2	2	—	—	—	—	—	—	—	—	—
(1) Early Disease ...	8	—	8	5	—	—	—	—	3	661	62.5%
(2) With Abscess Formation ...	7	—	7	6	—	1	—	—	—	920	85.7%
(3) With Deformity ...	3	—	3	3	—	—	—	—	—	246	100%
(4) With Paraplegia	1	—	1	—	—	—	—	—	1	158	—
(5) With Sinus Formation ...	6	—	6	2	—	—	—	1	3	1140	33,3%
Totals ...	27	2	25	16	—	1	—	1	7	843	64%

= 66.6% of cases treated to completion

TABLE III.

LESION	Totals Discharged	Non-Tuberculous	Tuberculous	CONDITION ON DISCHARGE							Duration of Stay in Days	Percentage Discharged, Disease Quiescent
				Pseud-arthritis	Ankylosis	Pathological Dislocation	Removed by Parents	Transferred	Unimproved	Died		
T.B. Disease of the Hip ...	5	5	—	—	—	—	—	—	—	—	—	—
(1) Early Disease	18	—	18	7	8	—	1	—	—	2	710	83.3%
(2) With Abscess	5	—	5	1	3	—	—	—	1	—	1060	80%
(3) With Deformity	3	—	3	—	3	—	—	—	—	—	325	100%
(4) With Sinus Formation	5	—	5	—	5	—	—	—	—	—	1428	100%
Totals	36	5	31	8	19	—	1	—	1	2	904	87%

= 90% of cases treated to completion.

TABLE IV.

LESION	Totals Discharged	Non-Tuberculous	Tuberculous	CONDITION ON DISCHARGE							Duration of Stay in Days	Percentage Discharged, Disease Quiescent
				Quiescent			Removed by Parents	Transferred	Unimproved	Died		
				Return to Normal	Fibrous Ankylosis	Bony Ankylosis						
T.B. Disease of the Knee	—	—	—	—	—	—	—	—	—	—	—	—
(1) Synovial Disease ...	13	—	13	7	6	—	—	—	—	—	524	100%
(2) Osseous Disease ...	1	—	1	—	—	1	—	—	—	—	259	100%
(3) Ditto, with Abscess ...	5	—	5	—	—	4	1	—	—	—	879	80%
Totals ...	19	—	19	7	6	5	1	—	—	—	604	94.7%

= 100% of cases treated to completion

TABLE V.

LESION	Totals Discharged	Non-Tuberculous	Tuberculous	CONDITION ON DISCHARGE						Duration of Stay in Days	Percentage Discharged, Disease Quiescent
				Disease Quiescent	Improved	Removed by Parents	Transferred	Unimproved	Died		
Tuberculous Osteitis	1	1	—	—	—	—	—	—	—	—	—
(1) Of the Small Bones ...	3	—	3	3	—	—	—	—	—	249	100%
(2) Ditto, with Abscess ...	8	—	8	7	—	1	—	—	—	356	87.5%
(3) Of the Large Bones ...	2	—	2	1	—	—	1	—	—	275	50%
(4) Ditto, with Abscess ...	8	—	8	6	—	—	—	1	1	646	75%
Totals	22	1	21	17	—	1	1	1	1	444	80.9%

= 89.4% of cases treated to completion

TABLE VI.

LESION	Totals Discharged	Non-Tuberculous	Tuberculous	CONDITION ON DISCHARGE						Duration of Stay in Days	Percentage Discharged, Disease Quiescent
				Disease Quiescent	Improved	Removed by Parents	Transferred	Unimproved	Died		
Surgical	15	—	15	12	—	1	—	2	—	280	80%
Surgical, with Sinuses ...	13	—	13	13	—	—	—	—	—	287	100%
Totals	28	—	28	25	—	1	—	2	—	283	86.4%
= 92.6% of cases treated to completion.											

TABLE VII.

LESION	Totals Discharged	Non-Tuberculous	Tuberculous	CONDITION ON DISCHARGE						Duration of Stay in Days	Percentage Discharged, Disease Quiescent
				Disease Quiescent	Improved	Removed by Parents	Transferred	Unimproved	Died		
Tuberculous Peritonitis ...	2	2	—	—	—	—	—	—	—	—	—
(1) Symptomatic ...	8	—	8	8	—	—	—	—	—	285	100%
(2) Clinical	9	—	9	9	—	—	—	—	—	382	100%
(3) With Visceral Lesions ...	1	—	1	—	—	—	—	—	1	40	—%
Totals	20	2	18	17	—	—	—	—	1	322	94.4%
= 94.4% of cases treated to completion.											
Lupus	3	—	3	1	2	—	—	—	—	360	33.3%

